GaN overtakes optics manufacture

APA Optics has expanded its operations in Aberdeen, South Dakota, from a team of 15 in September '03 to 38 persons, including contract labour, to take advantage of Aberdeen's relatively lower manufacturing costs, and responding to the increasing demands of its APA Cables & Networks products.

The expansion has not affected the head count of the APACN operations in Plymouth, Minnesota. The company plans to continue expansion of its Aberdeen operations as market conditions dictate to reduce its overall manufacturing costs, while maintaining APACN's operations in Plymouth.

APA has discontinued its optics manufacturing, eliminating 5 positions at its facility in Blaine, MN. It has also consolidated its fiber optics communications activities in Blaine eliminating 3 positions and retraining personnel in Aberdeen to support APACN operations.

This means APA taking a cumulative charge of approximately $200,000. The actions were necessary due to continued low demand of Dense Wavelength Divisional Multiplexers (DWDMs) and significant downward price pressures by offshore Asian suppliers for both optics and fiber optics products.

Blaine operations now focus mainly on GaN technology and products, with a smaller group of persons supporting fiber optics activities.

APA believes that it will be able to pursue GaN markets by dedicating most of its resources in Blaine, and utilising GaN manufacturing facilities in Aberdeen.

BivarOpto introduces Infinite 1 LED lamp

Bivar LEDs

The Infinite 1Series design includes an Edison based housing assembly, directly interchangeable with industry-standard PAR stylespots and floods. Thirty-nine Bivar Super-Flux MAKO LEDs are arranged in a grid-array pattern to project an evenly distributed light pattern equivalent to the output of a comparable incandescent spot or flood lamp.

The series features a multi-optic lens that can be rotated 90°, enabling a single unit to provide both flood and spot output. A honeycomb style lens geometry, in a non-diffused, tinted polycarbonate, is supplied for maximum light transmission and environmental sealing. These units offer an immediate, energy-saving solution and the capability to function as a spot or flood lamp, thereby lessening inventory requirements where both spot and flood lamp replacements are typical.

The Series features low energy-consumption operation of <3W at 110VAC. Light output is rated from 39cd white to over 100cd RYGB. For additional contrast and enhancement, the unit is supplied with a removable snap-on shroud for use in spot applications in extreme daylight conditions. The 94V-O rated housing and shroud are ideal for operating in higher temperatures. The shroud enables the unit to function as its own lighting fixture, with only a standard based installation.

Available in standard colors (amber, red, yellow, green, blue and white) and RGB, the BivarOpto Infinite1 LED PAR lamp offers a host of new uses across a wide variety of applications, including industrial, medical, security, photographic processing, retail and architectural lighting.

Lamps are available from stock with unit pricing from $50 in production quantities.

Web: www.bivar.com